



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
04.01.2012 Bulletin 2012/01

(51) Int Cl.:
E05D 5/02 (2006.01) F16B 35/04 (2006.01)

(43) Date of publication A2:
18.08.2010 Bulletin 2010/33

(21) Application number: **10152372.8**

(22) Date of filing: **02.02.2010**

(84) Designated Contracting States:
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR
Designated Extension States:
AL BA RS

(71) Applicant: **SAVIO S.p.A.**
10050 Chiusa San Michele (Torino) (IT)

(72) Inventor: **Balbo di Vinadio, Aimone**
I-10050 Chiusa San Michele (Torino) (IT)

(74) Representative: **Marchitelli, Mauro**
Via Maria Vittoria 18
10123 Torino (IT)

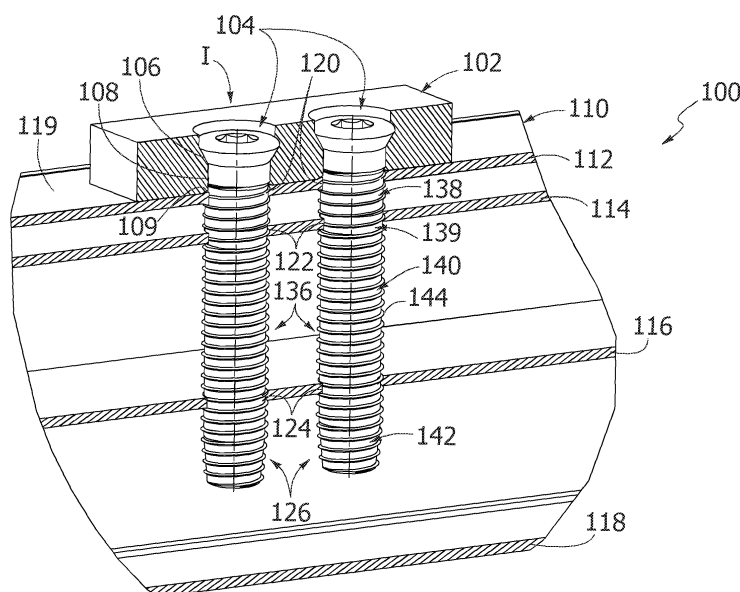
(30) Priority: **17.02.2009 IT TO20090022 U**

(54) **System for fastening accessories on frames made of metal material for doors, windows, and the like**

(57) A system for fastening an accessory (102) to a metal frame for doors, windows, or the like comprising at least one metal profile (110), including at least two parallel walls (112, 114, 116, 118). At least one of the walls (112, 114, 116, 118) has an outer surface (119) whereon the accessory (102) is fastened. The fastening system moreover comprises at least one self-threading fastening screw (126, 226, 326) including a manoeuvring

head (128) and a threaded stem (136), whereon a main thread (144) engaging in coaxial through holes (120, 122, 124) on the parallel walls (112, 114, 116) winds. The threaded stem (136) comprises an initial stretch (138, 238, 338), adjacent to the manoeuvring head (128) and whereon the main thread (144) shaped for increasing the engagement surface between the threaded stem (136) and the wall (112) carrying the accessory (102) winds.

FIG. 1





EUROPEAN SEARCH REPORT

Application Number
EP 10 15 2372

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	CA 2 119 919 A1 (VENIER FABIO [CA] MULTIMATIC INC [CA]) 24 September 1995 (1995-09-24)	1,2	INV. E05D5/02 F16B35/04
A	* page 9, lines 8-25 * -----	3-7	
A	EP 1 398 514 A1 (RICOH KK [JP]) 17 March 2004 (2004-03-17) * paragraph [0016] * -----	1,2,4	
			TECHNICAL FIELDS SEARCHED (IPC)
			E05D F16B
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 29 November 2011	Examiner Rochus, Johann
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

1
EPO FORM 1503 03/82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 10 15 2372

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

29-11-2011

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
CA 2119919	A1	24-09-1995	NONE
EP 1398514	A1	17-03-2004	DE 60309990 T2 14-06-2007
		EP 1398514 A1	17-03-2004
		JP 4340103 B2	07-10-2009
		JP 2004156775 A	03-06-2004
		US 2004126184 A1	01-07-2004